

sub C<sup>1</sup> 20. A reconstituted non-human mammalian embryo, made by a process comprising:  
(a) transferring the nucleus of a quiescent diploid donor cell of a first non-human mammal into a suitable enucleated recipient cell of a second non-human mammal of the same species, thereby obtaining a reconstituted cell;  
(b) activating the reconstituted cell before, during or after nuclear transfer; and  
(c) incubating the reconstituted cell such that an embryo develops,  
wherein the mammalian embryo is of a species selected from the group consisting of: sheep, pigs, goats, mice and rabbits.

21. An embryo according to claim 20, wherein the recipient cell used in the method is an oocyte.

22. An embryo according to claim 20, wherein the donor cell is a cultured cell.

23. An embryo according to claim 20 wherein the donor nucleus used in the method is genetically modified.

B<sup>1</sup> 24. An embryo according to claim 20, wherein the embryo is a sheep embryo.

25. An embryo according to claim 20, wherein the embryo is a pig embryo.

26. An embryo according to claim 20, wherein the embryo is a goat embryo.

27. An embryo according to claim 20, wherein the embryo is a mouse embryo.

28. A non-human mammalian embryo according to claim 20, wherein the embryo is a rabbit embryo.

sub C<sup>2</sup> 29. A non-human mammal produced by a process comprising:  
(a) transferring an embryo according to claim 20 to a female of the same species; and  
(b) developing the embryo into the non-human mammal.

30. A non-human mammal according to claim 29, wherein the embryo is a sheep.
31. A non-human mammal according to claim 29, wherein the embryo is a pig.
32. A non-human mammal according to claim 29, wherein the embryo is a goat.
33. A non-human mammal according to claim 29, wherein the embryo is a mouse.
34. A non-human mammal according to claim 29, wherein the embryo is a rabbit.

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35. A non-human mammal, prepared by a process comprising:
- (a) transferring the nucleus of a quiescent diploid donor cell a first non-human mammal into an enucleated oocyte of a second non-human mammal of the same species, thereby obtaining a reconstituted cell;
  - (b) activating the reconstituted cell before, during or after nuclear transfer;
  - (c) incubating the reconstituted cell such that an embryo develops;
  - (d) transferring the embryo to a female of the same species; and
  - (e) developing the embryo into the non-human mammal,
- wherein the non-human mammal is selected from the group consisting of sheep, pigs, goats, mice and rabbits.

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36. A non-human mammal according to claim 35, wherein the donor cell is a cultured cell.
37. A non-human mammal according to claim 35 wherein the donor cell used in the process is genetically modified.
38. A non-human mammal according to claim 35 wherein the mammal is a sheep.
39. A non-human mammal according to claim 35 wherein the mammal is a pig.
40. A non-human mammal according to claim 35 wherein the mammal is a goat.